



42A01SE0176 2.10711 EBY

010

REPORT ON THE MAGNETOMETER SURVEY

EAST EBY PROPERTY, EBY TOWNSHIP

NTS 42A/1

PREPARED FOR

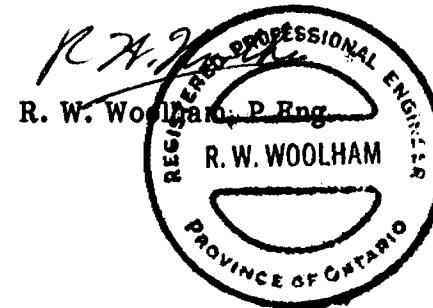
BUTTE CANYON RESOURCES INCORPORATED

RECEIVED

JAN 08 1988

MINING LANDS SECTION

DERRY, MICHENER, BOOTH & WAHL



Toronto, Ontario
December 29, 1987

Ref: 87-114

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42A01SE0176 2.10711 EBY

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INTRODUCTION

A geophysical survey, utilizing the magnetic method was completed on the East Eby property of Butte Canyon Resources Incorporated. The survey was performed by the staff of Derry, Michener, Booth & Wahl (DMBW) under the direct supervision of the author. The survey was conducted during the period October 15 to October 31, 1987. This work was part of an exploration program recommended by DMBW in a report of April 15, 1987. This report is for assessment credits and a technical data statement is contained in Appendix 1.

PROPERTY LOCATION, DESCRIPTION AND ACCESS

The East Eby property is located in Eby Township, about 12 km southwest of the town of Kirkland Lake and about 5 km southeast of Kenogami Lake as shown in Figure 1. The property consists of the following 31 unpatented mining claims in two contiguous blocks covering about 496 hectares (Figure 2).

<u>Main Block</u> <u>Claim Numbers</u>	<u>Date of Record</u>
L 735464	07/03/84
L 735596 to 735598 incl.	07/03/84
L 738544 to 735548 incl.	07/03/84
L 738577	07/03/84
L 738858	09/03/84
L 802126	28/03/85
L 842693	29/04/85
L 842694 to 842695	12/12/85
L 891900	27/05/86
L 891901	28/07/86
L 891902	30/07/86
L 891903	21/11/86
L 891905	27/05/86
L 891906	30/07/86
L 891907 to 891909 incl.	28/07/86
L 980065 to 980069 incl.	07/04/87

North Block

L 802124	27/03/85
L 802125	27/03/85

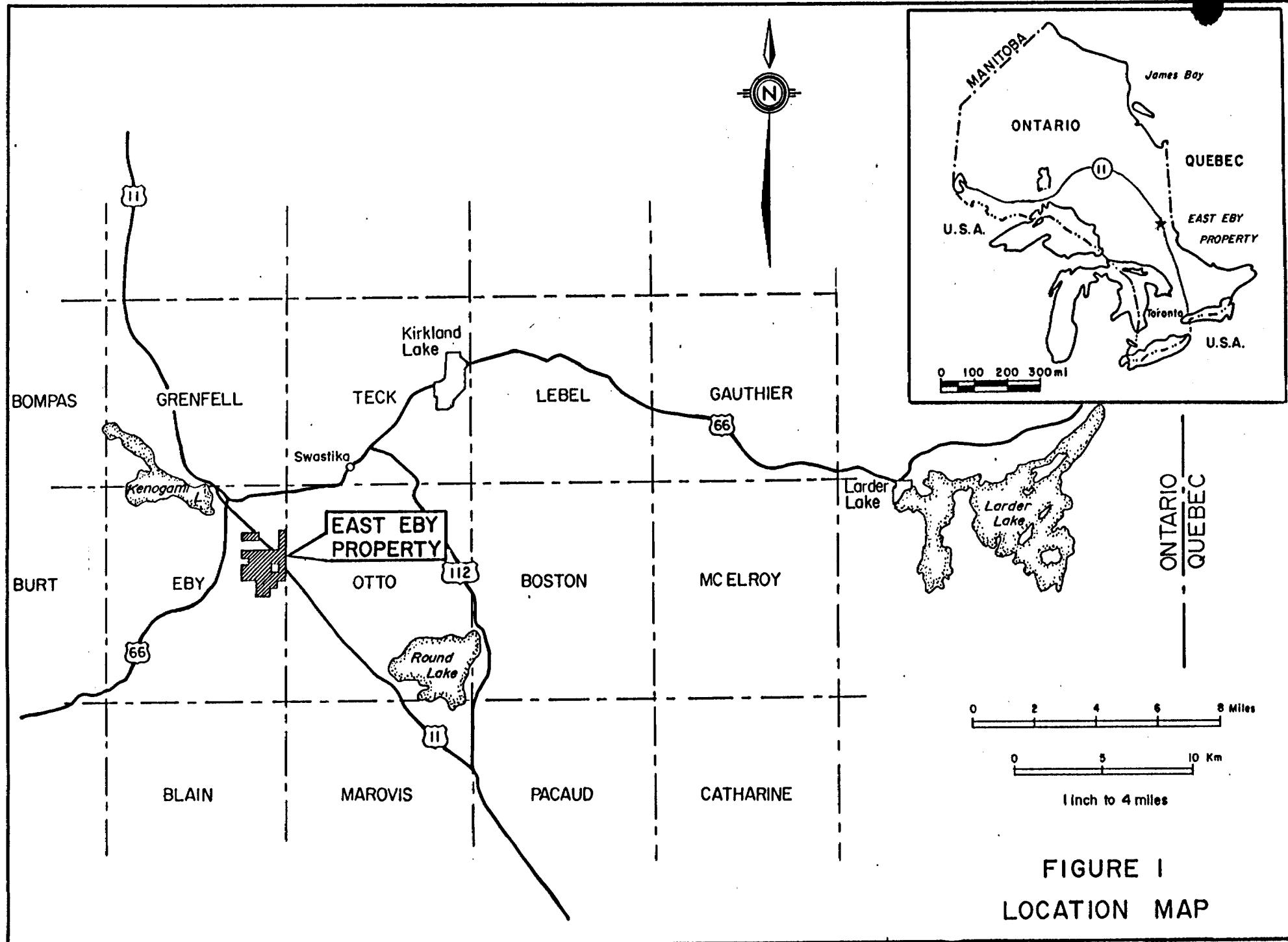
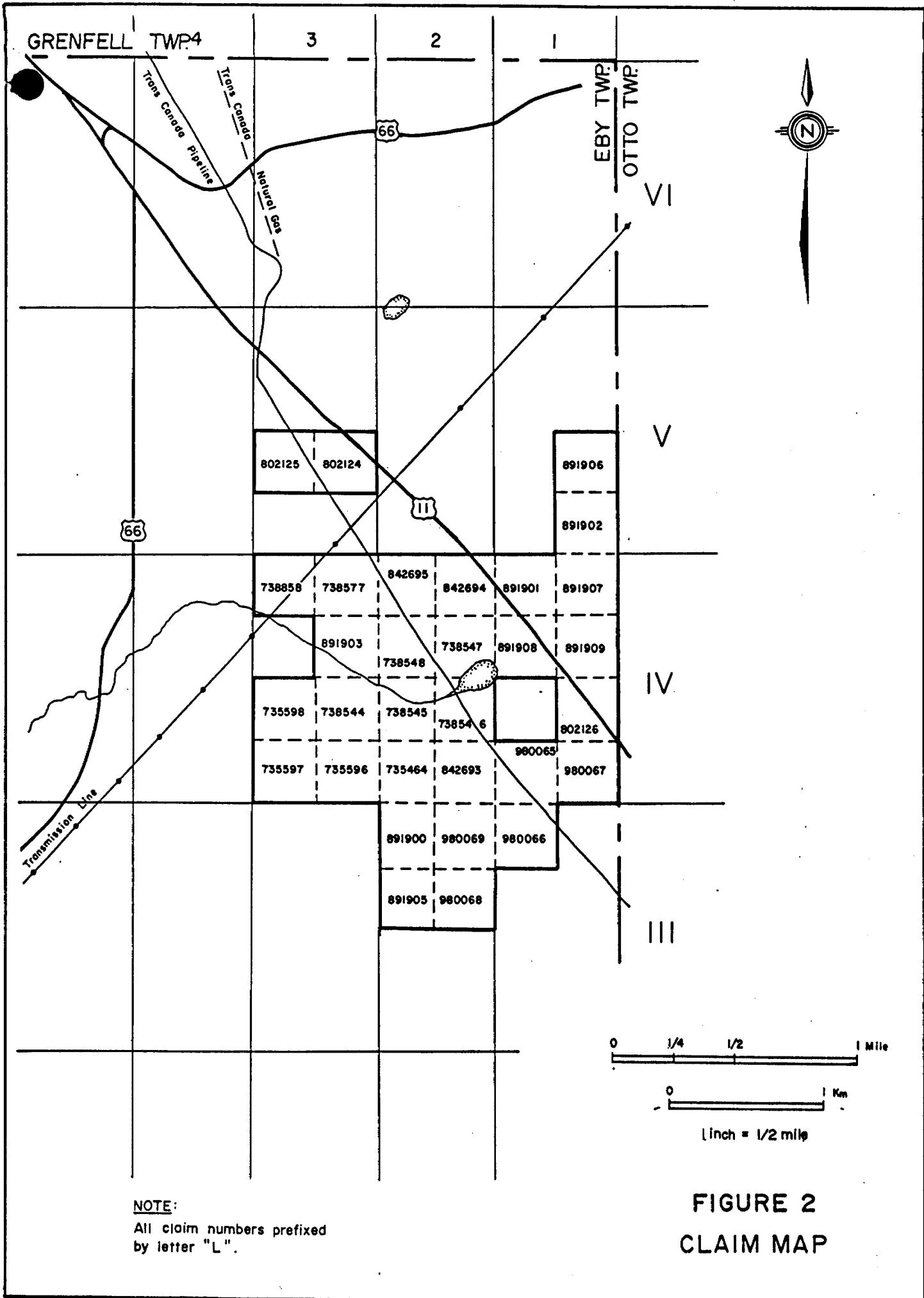


FIGURE I
LOCATION MAP



DMBW has not examined title to the claims nor substantiated their physical boundaries and, accordingly, expresses no opinion as to validity of title and property description.

Access to the property is excellent. Highway 11 crosscuts the northeast corner of the property and there are bushroads and trails which lead to the other sections. In addition, a wide clearing for the Trans-Canada Pipeline crosscuts the centre of the property, providing excellent mobility.

GEOLOGY

Essentially all of the consolidated rocks in the Kirkland Lake area are of Precambrian age. Proterozoic formations consist of Gowganda Formation sediments of the Cobalt Group, and two generations of diabase dykes. The more areally extensive Archean stratigraphy in the area can essentially be divided into four major stratigraphic categories:

- (1) Pre-Timiskaming, Skead Group, mafic to felsic flows and pyroclastics, chemical sediments and local ultramafic flows and intrusives.
- (2) Timiskaming Group fine- to coarse-grained clastic metasediments, chemical metasediments, alkaline flows, tuffs and breccias, felsic volcanics and komatiitic (ultramafic) flows.
- (3) Post-Timiskaming Highway 11 basalts and local komatiites (Kenojevis Group).
- (4) Various gabbroic, syenitic and granitic intrusives.

The East Eby property is underlain by a northeast striking, subvertically dipping sequence of felsic to mafic volcanics and volcanogenic sediments intruded by various types of plutonic units.

Based on government mapping, a major unit consisting dominantly of felsic flows and pyroclastics and iron formation horizons transgresses the property from the northeast to the southwest. Two diamond drill holes collared in the unit indicate that the package also contains impure medium to coarse-grained sandstones, arkose horizons and a cherty, aphanitic, iron-poor equivalent to an iron formation. The bottom half of one drill hole dominantly consists of a komatiite flow structurally overlying a thick komatiitic sediment. These units probably represent the basal succession of the Highway 11 Basalts. Both oxide and sulphide facies iron formations, having association with gold mineralization, exist on the property.

Based on regional mapping, there are three types of intrusive rocks on the property: early mafic to ultramafic stocks, dykes and sills; late Archean felsic intrusives, presumably part of the Round Lake Batholith; and the late Archean alkalic Otto stock. Proterozoic diabase dykes undoubtedly crosscut portions of the property.

SURVEY PARAMETERS AND PRESENTATION

Magnetic Survey

A Scintrex IGS-2 with an MP-4 total field proton magnetometer sensor was used for the survey. This instrument is microprocessor-controlled and can be programmed to automatically record the station location, time and magnetic value. Magnetic diurnal variations were monitored by a Scintrex MP-3 magnetic base station. Instrument specifications are contained in Appendix 2. Readings were taken along grid lines spaced 100 m apart at 25 m station intervals. In all, 40 line km of data were recorded and stored automatically for a total of 1,600 readings.

Diurnal corrections to the magnetic field values recorded were automatically calculated by the microprocessor-controlled base station recorder after the field data was "dumped" into the data storage device at the end of each day's data collection.

Office compilation by DMBW consisted of the editing of the data and production of floppy disc files for automatic entry of the data values into a computer controlled plotting system. Using modified software by dataplotting, survey maps of magnetic values and contours, at an interval of 100 nT, were generated at a scale of 1:5,000 with appropriate title and legend (see maps 87-114-01, -02, -03, -04).

RESULTS AND CONCLUSIONS

Main Block

The background total field magnetic value in the area is about 58,750 nT. Magnetic anomalies from approximately 250 to over several thousand nT above background are present on the property with below background values occurring within the same order-of-magnitude.

The most striking feature is a very high amplitude response in the southern part of the grid. It forms two parallel zones trending onto the property from the south and west in a north-northeast direction. Previous drilling in the area intersected iron formation and one outcrop of iron formation underlies a portion of the anomaly complex.

Along the southeast side of the claim group there is a broad area of high amplitude magnetic responses. The northern part of this area is underlain by syenite, and no doubt, is the source of the magnetic responses in this area.

In the northwest third of the survey area, the magnetic patterns are more erratic and contorted. Just to the east of this area on line 200 west, north of the baseline, there are a series of alternating high amplitude negative and positive anomalies which are cross-cut by more regionally trending northeast magnetic linear. Based on government 1" = 1/4 mile mapping, portions of all of these erratic anomalous areas are underlain by basalt, andesite, mafic tuff and gabbro. Specific correlation of the higher amplitude areas with underlying late gabbro

units occurs in several locations and probably indicates that the main magnetic unit is a gabbro although a one-to-one relationship between high magnetic amplitudes and gabbro outcrop is not always present. The area is crosscut with mafic dykes which also probably complicate the magnetic signatures seen.

In addition to the areas thought to reflect magnetic gabbros, there are extensive below background magnetic areas in the west part of the survey area. Part of these larger areas of background to below background magnetic responses may be related to nonmagnetic andesites and agglomerates that have been mapped in the area.

The anomaly patterns suggest that several fault structures may be present. A major north-northwest break appears to bisect the property while more subtle east-west trending structures are evident in the west part of the area.

North Block

The magnetic amplitude variations are similar to those seen in the Main block. The western quarter of the grid is dominated by a high amplitude area from which extends an east trending high amplitude zone. This zone is in the northern part of the grid area. Basalts and felsic intrusives of syenite are mapped in this area but the high amplitude magnetic zones suggest that either iron formation or mafic phases of the intrusives are more likely to be present rather than felsic intrusives.

RECOMMENDATIONS

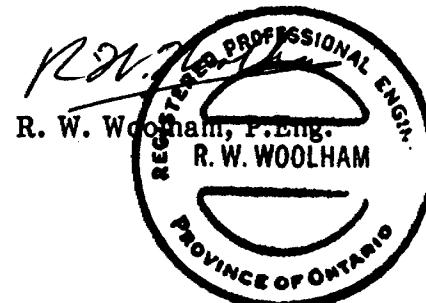
The iron formations in the area are known to have an association with gold mineralization. Areas of alteration associated with sulphide iron formation and magnetite/hematite iron formation may occur in structurally complex areas of faulting and folding. Such areas may be recognized from their magnetic/conductive characteristics and, if outcrop exposure exists, from their alteration products and detailed mapping. Additional geophysics, consisting of electromagnetic surveys in conjunction with a mapping and sampling program, formed the basis of recommendations made by DMBW in their report of April 15, 1987 on the property. The electromagnetic surveys are completed and are in the process of being evaluated. A detailed program of mapping and prospecting is planned for the next field season at which time further recommendations relating to drill testing of favourable exploration targets can be made.

CERTIFICATE OF QUALIFICATION

I, Roderick W. Woolham of the town of Pickering, Province of Ontario, do hereby certify that:-

1. I am a geophysicist and reside at 1463 Fieldlight Blvd., Pickering, Ontario, L1V 2S3.
2. I graduated from the University of Toronto in 1961 with a degree of Bachelor of Applied Science, Engineering Physics, Geophysics Option.
3. I am a member in good standing of the following organizations: The Association of Professional Engineers of the Province of Ontario (Mining Branch); Society of Exploration Geophysicists; South African Geophysical Association.
4. I have been practising my profession for a period of more than 25 years.
5. I am an Associate with Derry, Michener, Booth & Wahl, Consulting Geologists and Engineers.
6. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the properties or securities of Butte Canyon Resources Incorporated or any affiliate.
7. I personally was involved with the technical supervision of the survey and wrote the report.
8. I consent to the use of this report in submissions for assessment credits and for similar regulatory requirements.

Toronto, Ontario
December 29, 1987



*R.W.
63-1716*

APPENDIX 1
TECHNICAL DATA STATEMENT



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
 FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
 TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Magnetic
 Township or Area E by Two.
 Claim Holder(s) Butte Canyon Resources Inc.
Suite 500, 67 Richmond St W, Toronto
 Survey Company Derry Michener Booth & Wahl
 Author of Report R.W.Woolham
 Address of Author Suite 410, 20 Richmond St. E. Toronto
 Covering Dates of Survey Sept 1 to Oct 31, 1987
 (linecutting to office)
 Total Miles of Line Cut ~ 46 Km.

SPECIAL PROVISIONS	CREDITS REQUESTED	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
ENTER 20 days for each additional survey using same grid.	-Electromagnetic	
	-Magnetometer	<u>40</u>
	-Radiometric	
	-Other	
	Geological	
	Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer Electromagnetic Radiometric
 (enter days per claim)

DATE: Dec. 29/87 SIGNATURE: R.W.Woolham
 Author of Report or Agent

Res. Geol. Qualifications

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVESED
List numerically

(prefix)	(number)
L	735464
	735596
	597
	598
	738544
	545
	546
	547
	548
	577
	858
	802 124
	125
	126
	892 693
	694
	695
	891 900
	901
	902
	903
	905
	906
	907
	908
	909
	280 065
	066
	067
	068
	069

If space insufficient, attach list

TOTAL CLAIMS 31

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS — If more than one survey, specify data for each type of survey

Number of Stations 1600 Number of Readings 1600
Station interval 25 m Line spacing 100 m
Profile scale _____
Contour interval 100 nT

MAGNETIC

Instrument See Instrument Specification Appendix 2 of
this report.
Accuracy — Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(specify V.L.F. station)
Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION

Instrument _____
Method Time Domain Frequency Domain
Parameters — On time _____ Frequency _____
— Off time _____ Range _____
— Delay time _____
— Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

APPENDIX 2
INSTRUMENT SPECIFICATIONS

Summary of Important Features of Scintrex IGS Sensors

Magnetics

- 0.1 gamma resolution over 20K to 100K gamma range
- Total field and vertical gradient measurements
- High gradient tolerance
- Same console for portable, base station or mobile survey applications
- Keyboard selectable automatic or manual tuning
- Automatic diurnal correction without a microcomputer

VLF

- Measures both VLF-magnetic and VLF-electric fields
- Values are normalized by the horizontal vector amplitude, to overcome errors due to varying primary field strengths
- Calculates resistivity and phase angle
- Digital tuning to any VLF station
- Automatic measurement of up to three VLF stations
- Automatic tilt compensation
- Signal/noise enhancement through automatic signal stacking
- Automatic gain adjustment
- Optional Primary Field Drift Correction Option permits automatic base station corrections to be made

Electromagnetics

- Processes two frequencies simultaneously for Horizontal Loop and/or Genie amplitude ratio
- Accurate Genie measurements may be made in rough terrain
- Transmitter-receiver separation can be measured electronically
- High levels of noise rejection
- Portable or fixed source transmitters may be used
- The lightweight receive coil may be backpack mounted or set on the ground
- Automatic gain adjustment



A microcomputer such as the IBM PC, Apple IIe, Apple III, HP-85, Osborne, Corona or Compaq can be interfaced with the IGS-2 for archiving or processing data. Scintrex provides assistance with such interfacing.

Module	System	Magnetics		VLF		EM		Typical Combined Systems									
		Alone	Alone	Alone	Alone	Alone	Alone	I	J	K	L	M	N	O	P		
IGS-2		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
System Control Console																	
MP-4		●							●		●	●	●				
Proton Magnetometer Sensor Option																	
Portable total field																	
MP-4 Proton Magnetometer Sensor Option																	
Portable vertical gradient																	
MP-4 Proton Magnetometer Sensor Option Base station							●										
VLF-4								●									
VLF Electromagnetic Sensor									●								
Portable VLF-magnetic field										●							
VLF-4										●							
VLF Electromagnetic Sensor											●						
Portable VLF-magnetic and VLF-electric fields												●					
VLF-4C												●					
VLF Electromagnetic Sensor													●				
Base station														●			
EM-4														●	●	●	●
Gene/Horizontal Loop Electromagnetic Sensor Option														●	●	●	●
Gene Mode															●	●	●
EM-4														●		●	●
Tiltmeter/Intercom Module															●		
Horizontal Loop Mode																●	
EM-4																●	●
Genie/Horizontal Loop Expansion Module																●	●
Three methods: magnetics, VLF, EM																	

Table indicating different options which may be used with the IGS-2 System Control Console for different ground geophysical survey applications.

Technical Description of the MP-3 Proton Magnetometer

temperatures above 0°C. Weight is 0.9 kg. At 25°C gives 10,000 total field or 5000 total field gradient readings.

Rechargeable Battery Pack and Charger

Includes battery holder, 6 rechargeable, non-magnetic, sealed lead-acid batteries and charger for installation on console. Best for high sensitivity total field measurements, all gradient measurements and operation below 0°C. Pack weighs 1.3 kg. Nominal capacity is 2.5 Ampere hours. At 25°C gives 7000 total field or 3500 total gradient readings. Charger specifications are: 11 x 95 x 65 mm, 115/230 V AC; 50/60 Hz; 20 VA, overload protected.

Heavy Duty Rechargeable Battery Pack
Includes heavy duty rechargeable batteries installed in a console with a built-in charger. Used for rapid cycling base station or mobile applications. Total weight is 7.6 kg. Nominal capacity is 12.5 Ampere hours. Dimensions are 240 x 90 x 240 mm. Power requirements: 115/230 V AC; 50/60 Hz; 60 VA. Overload protected.

Low Temperature Battery Extender Kit
Comprises a cover for the bottom of the instrument console, a battery pack cover, a waist belt and a battery cable. Slots on the battery pack cover permit belt mounting next to the operator's body for warmth.

Optional Accessories

Language Options

In addition to English, a second language using Latin characters can replace French.

RS-232 Cable and Adaptor

Includes a special RS-232 data transfer cable and MP-3 to RS-232 cable adaptor. Used for communicating between the MP-3 and peripheral devices including a second MP-3 or IGS-2/MP-4 for diurnal corrections.

Minor Spare Parts Kit

Includes 2 keyboard diaphragms and two fuses.

Carrying Cases

A variety of carrying cases are available to suit different combinations of console and sensor options.

Display Heater

Required for cold weather operation. Powered by main batteries, thermostatically controlled to turn off above -20°C.

MP-3/4 Proton Magnetometer Function Tester

When connected between the console and sensor, applies a signal to test the polarizing circuit, the coil and the signal processing circuitry. Switch selectable magnetic field simulation at 22,500; 30,000; 45,000; 60,000 and 90,000 nT.

Peripheral Devices

Scintrex is prepared to recommend or supply digital printers, modems, cassette tape recorders, analog recorders and microcomputers with software.

Applications Software

Scintrex supplies fully documented software written for the IBM PC computer and certain other microcomputers which use the MS-DOS operating system. This software is designed to permit: 1) archiving of data, 2) processing of magnetic data and 3) profile and contour outputs on digital printers.

Memory Expansion Options

Memory Expansion I

Memory can be added on an existing board to complement the 16K RAM Standard Memory. This can be done in up to six 8K RAM increments to raise system memory to a total of 64K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

Memory Expansion II

An additional board is required on which an additional sixteen 8K RAM groups can be installed to bring the system total memory to 192K RAM. Each 16K RAM increment holds as many readings as the Standard Memory.

SCINTREX

222 Snidercroft Road
Concord Ontario Canada
L4K 1B5

Telephone: (416) 669-2280
Cable: Geoscint Toronto
Telex: 06-964570

Geophysical and Geochemical
Instrumentation and Services

Technical Description of the MP-3 Proton Magnetometer

Total Field Operating Range
20,000 to 100,000 nT (1 nT = 1 gamma)

Gradient Tolerance
5000 nT/m

Total Field Absolute Accuracy
nT at 50,000 nT
nT over total field operating range

Resolution
1 nT

Tuning
Fully solid-state. Manual or automatic keyboard selectable.

Fastest Cycle Time
2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.

Continuous Cycle Times
Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.

Operating Temperature Range
-40°C to +50°C provided optional Display Heater is used below -20°C.

Digital Display
32 character, 2 line LCD display

Keyboard Input
24 keys for entering all commands, coordinates, header and ancillary information.

Languages
English plus French is standard.

Clock
Real time clock with day, month, year, hour, minute and second. Needs keyboard initialization only after bat-

tery replacement. One second resolution, ± 1 second stability over 12 hours.

Standard Memory
16K RAM internal solid-state memory in single reading mode records up to 1175 total field and gradient observations, or 1350 total field measurements including coordinates, time and header information. In continuous cycle mode, records up to 8000 total field measurements including time and header information.

Digital Data Output
RS-232C serial interface for digital printer, modem, microcomputer, cassette tape recorder, a second MP-3 or an IGS-2/MP-4. Data outputs in 7 or 8 bit ASCII, one start, two stop bits, no parity format. Baud rate is keyboard selectable at 110, 300, 600 and 1200 baud. Carriage return delay is keyboard selectable in increments of one from 0 to 999. Handshaking is done through X-on/X-off protocol.

Analog Output
For a strip chart recorder. 0 to 999 mV full scale with keyboard selectable sensitivities of 10, 100 or 1000 nT full scale.

Trigger Output
Allows MP-3 to act as master for other instrumentation.

Console Dimensions
240 x 90 x 240 mm includes mounted battery pack.

Weight
2.4 kg excludes batteries.

Power Requirements
Can be powered by external 12 V DC or one of the Battery Pack Options listed below.

Sensor Options

In the following options the actual sensors are identical, however, mountings and cables vary.

Portable Total Field Sensor Option
Includes sensor, staff, one short cable, one long cable and backpack sensor harness. Weight of sensor, cable and staff is 1.9 kg. Staff comprises four 0.5 m sections of 25 mm diameter aluminum tubing.

Base Station Sensor Option
Includes sensor, tripod, 50 m cable, external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 530 mm collapsed, 1500 mm extended.

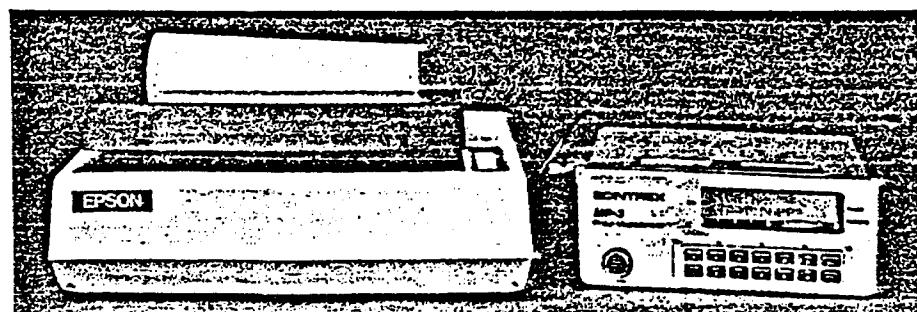
Gradiometer Sensor Option
For use with the Portable Total Field Sensor Option. Includes second sensor, cables and two 0.5 m staff extenders. Combined weight of Total Field and Gradiometer Sensor options with staff, 1 m extender and cables is 3.5 kg.

Marine Sensor Option
Includes sensor installed in a fish with cable up to 100 m in length.

Airborne Sensor Option
Includes sensor installed in a 'bird' with a tow cable or in a 'stinger' mounted on the aircraft.

Battery Pack Options

Non-rechargeable Battery Pack
Includes battery holder and 10 disposable 'C' cell batteries for installation on console. Nominal capacity is 4.0 Ampere hours. Used in low sensitivity total field magnetometry in



The MP-3 outputs directly to a digital printer.

With the use of a modem the MP-3 can send its data across telephone lines.



Ontario

Ministry of
Northern Develop
and Mines



42A01SE0176 2.10711 EBY

900

Ministère du
Développement du Nord
et des Mines

February 8, 1988

Your File: 449/87
Our file: 2.10711

Mining Recorder
Ministry of Northern Development and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILLS
RECORDS OFFICE

FEB 16 1988

R E C E I V E D

RE: Notice of Intent dated January 22, 1988
Geophysical (Magnetometer) Survey submitted on
Mining Claims L 735464 et al in the Township of Eby

The assessment work credits, as listed with the above-mentioned
Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so
indicate on your records.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

RM

RM:pl

Enclosure: Technical Assessment Work Credits

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Kirkland Lake, Ontario

Butte Canyon Resources Incorporated
Suite 500
67 Richmond Street West
Toronto, Ontario
M5H 1Z5



Ministry of
Northern Development
and Mines

Technical Assessment
Work Credits

File

210711

Date
January 22, 1988

Mining Recorder's Report of
Work No. 449/87

Recorded Holder

Butte Canyon Resources Inc.

Township ~~XXXXXX~~

Eby

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	
40	L 735464
Magnetometer _____ days	735596 to 598 inclusive
Radiometric _____ days	738544 to 545 inclusive
Induced polarization _____ days	738548
Other _____ days	738577
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	802124 to 126 inclusive
Geochemical _____ days	842693 to 695 inclusive
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	891900 to 902 inclusive
Special provision <input checked="" type="checkbox"/> Ground <input type="checkbox"/>	891905
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	891907
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	891909
	980065 to 069 inclusive

Special credits under section 77 (16) for the following mining claims

20 Days Magnetometer

L 738858
891906
891908

30 Days Magnetometer

L 738546 to 547 inclusive
891903

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



LAND MANAGEMENT
Ministry of Natural Resources Report of Work File #449/87
(Geophysical, Geological, Geochemical and Expenditures) **REVISED**

Instructions: — Please type or print.
— If number of mining claims traverse exceeds space on this form, attach a
Only days credits calculated in "Expenditures" section may be entered in the "Expend. Days Cr." column
— Do not use shaded areas below.

2.10711

The Mining Act

Type of Survey(s)

Magnetic Survey (Revised)

Township or Area

Eby Township

Claim Holder(s)

Butte Cany on Resources Incorporated

Prospector's Licence No.

T 4886.

Address

Suite 500, 67 Richmond St W. TORONTO, ONT. M5H 1Z5

Survey Company

Derry, Michener, Booth & Wahl

Date of Survey, (from & to) Geophysic Total Miles of Line Cut
15 10 87 31 10 87
Day Mo. Yr. Day Mo. Yr.

Name and Address of Author (of Geo-Technical report)

R.W.Woolham 20 Richmond St. East, TORONTO, ONT. MSC 2R9

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	Revised
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	Geological	
	Geochemical	

Airborne Credits	Days per Claim
	9.350 m
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic
	Magnetometer
	Radiometric

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures	\$	+ 15	=	Total Days Credits
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Instructions

Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Revised Jan. 7/88 R.W.Woolham

Date	Recorded Holder or Agent (Signature)
NOV 13/87	K.W. Woolham

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

R.W. WOOLHAM, Suite 410, 20 Richmond St. E

TORONTO, ONT. MSC 2R9

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L	735464		L	891907	
	735596			908	
	597			909	
	598			980065	
	738544			066	
	545			067	
	546			068	
	547			069	
	548				
	577				
	858				
	802124				
	125				
	126				
	892693				
	694				
	695				
	891900				
	901				
	902				
	903				
	905				
	906				

Total number of mining claims covered by this report of work.

31

For Office Use Only	
Total Days Cr. Recorded	Date Recorded
1240	Jan. 12/88
Date Approved as Recorded	
See reverse	

Mining Recorder

G. D. Smith

Branch Director

J. D. Smith

Statement

Grenfell Twp. M. 351

THE TOWNSHIP OF

E B Y

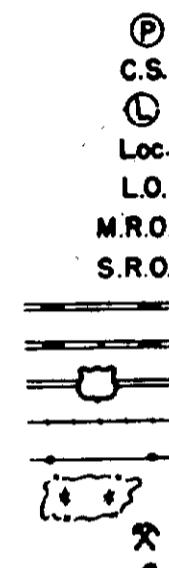
**DISTRICT OF
TIMISKAMING**

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
CANCELLED



NOTES

400' surface rights reservation along the shores of all lakes and rivers.

**AREAS WITHDRAWN FROM STAKING
under Sec. 43 of The Mining Act (R.S.O.1970).**

N^o. Lot 7, Con. 3 - Cert. of Forfeiture - Sept 17/85

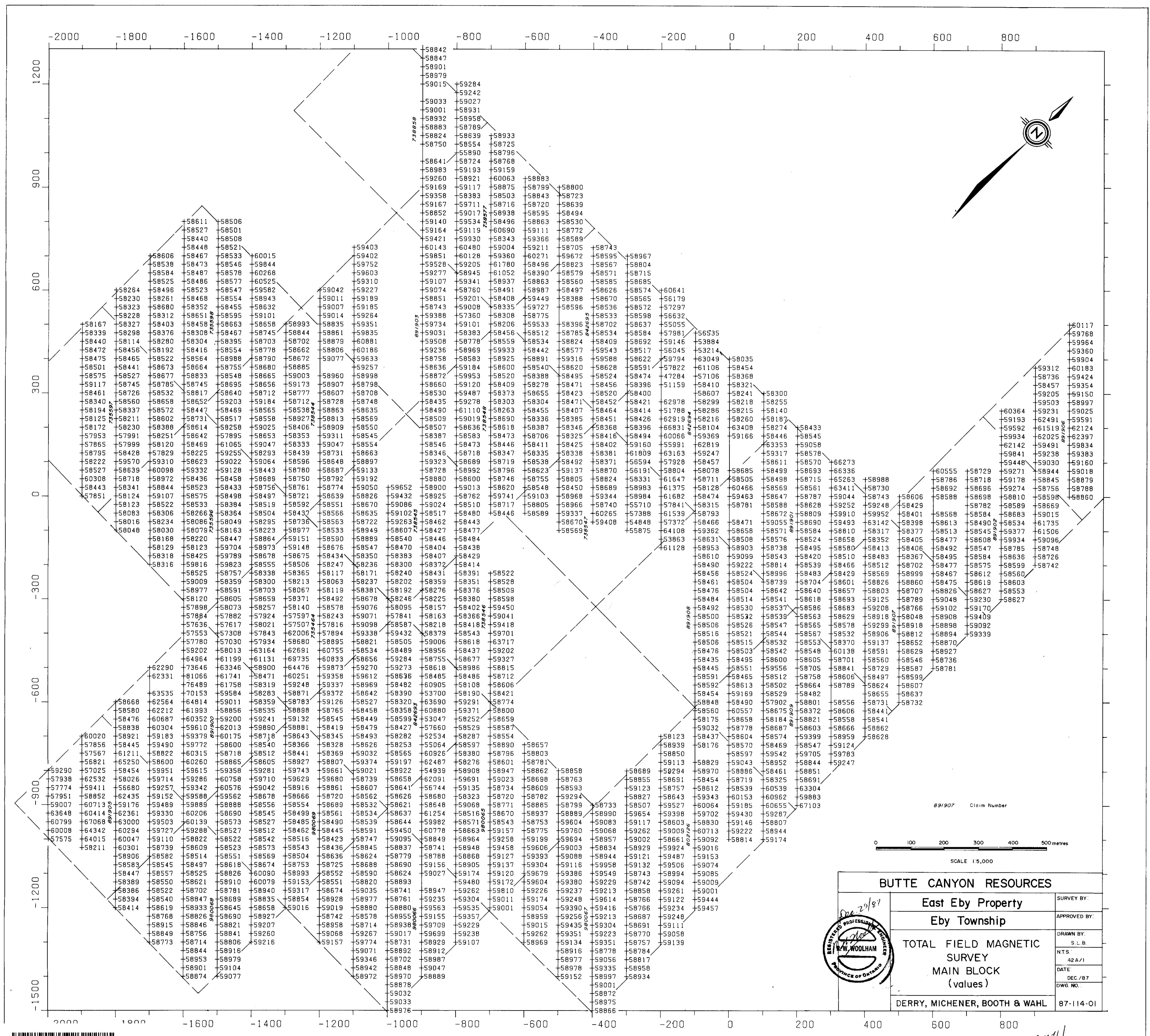
PLAN NO. - M-345

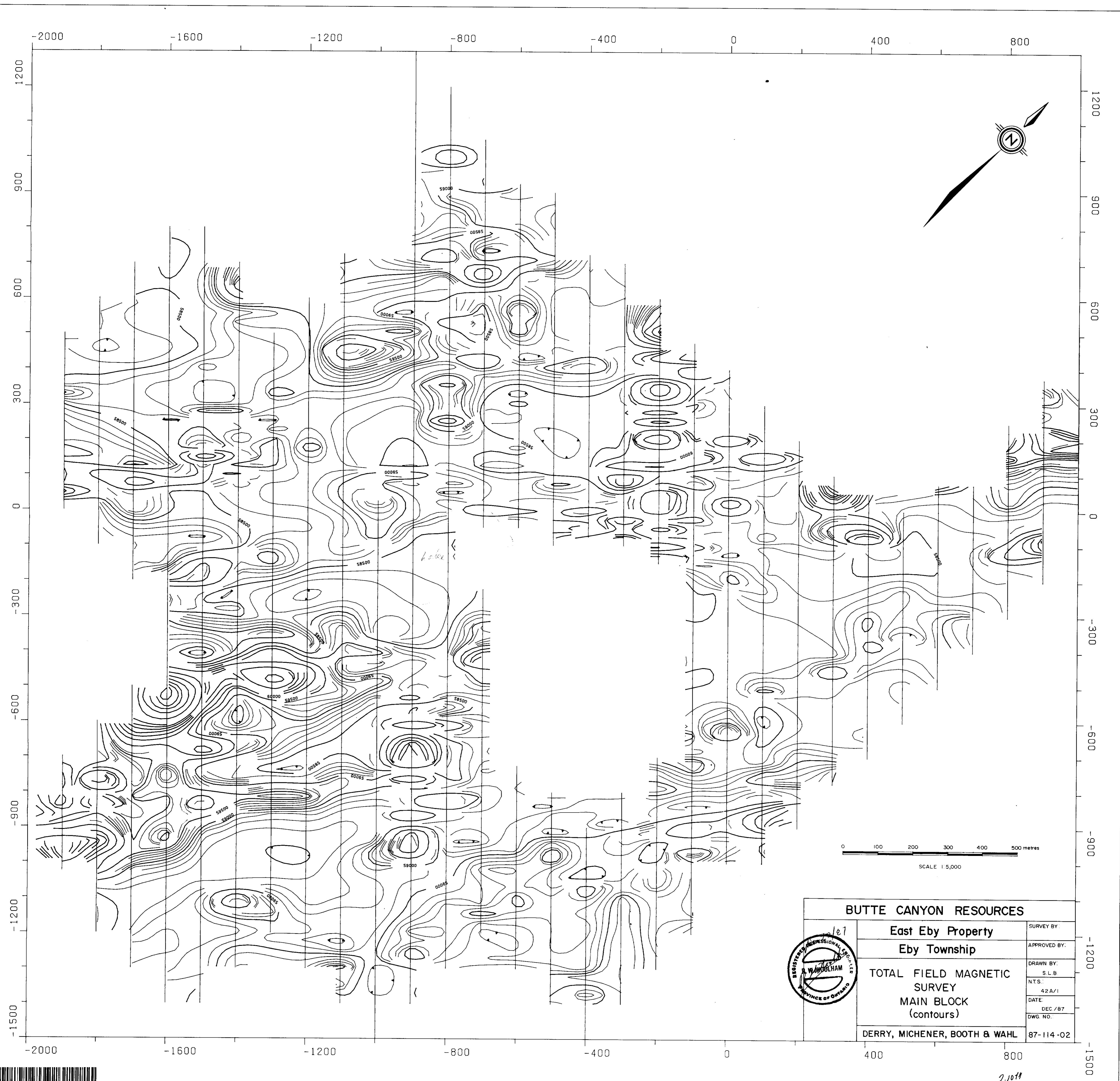
ONTARIO

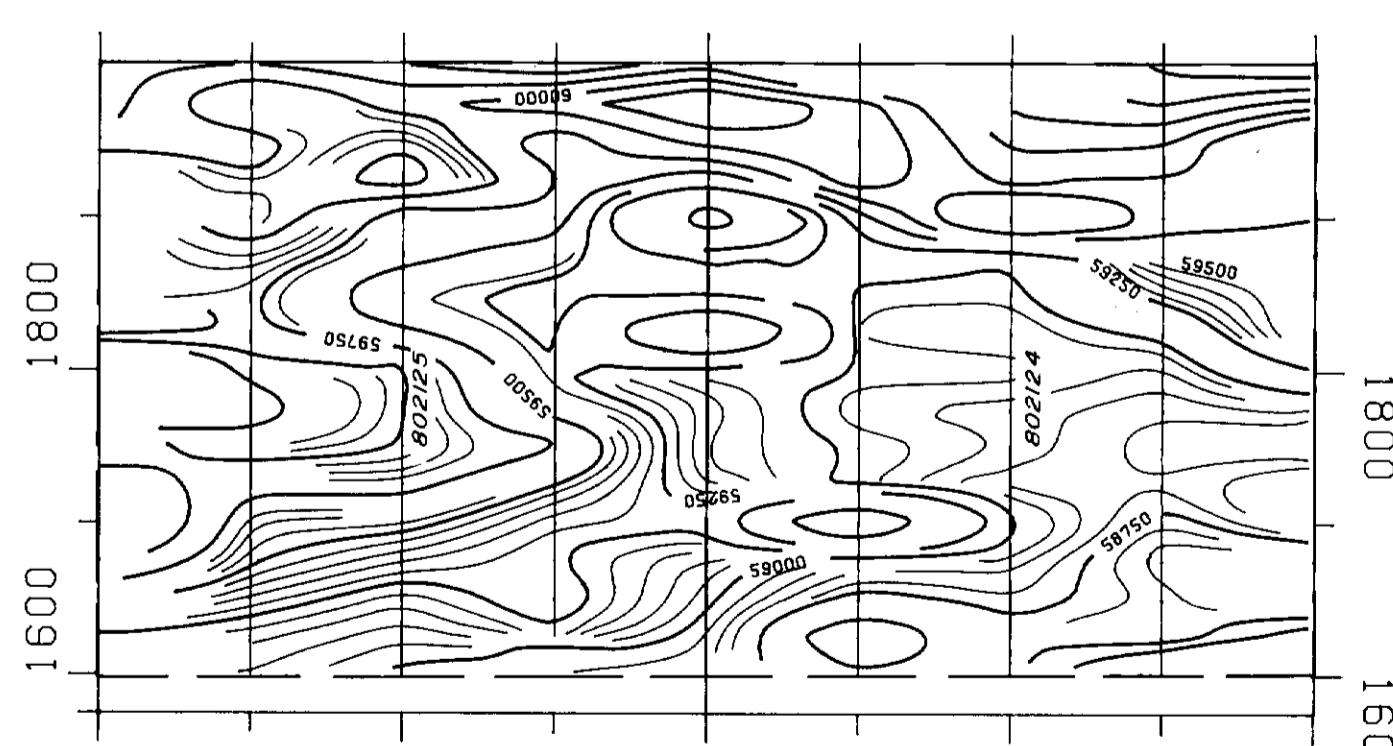
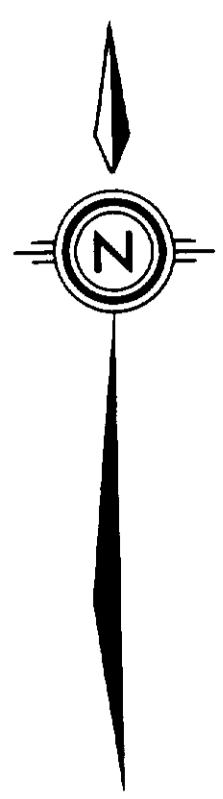
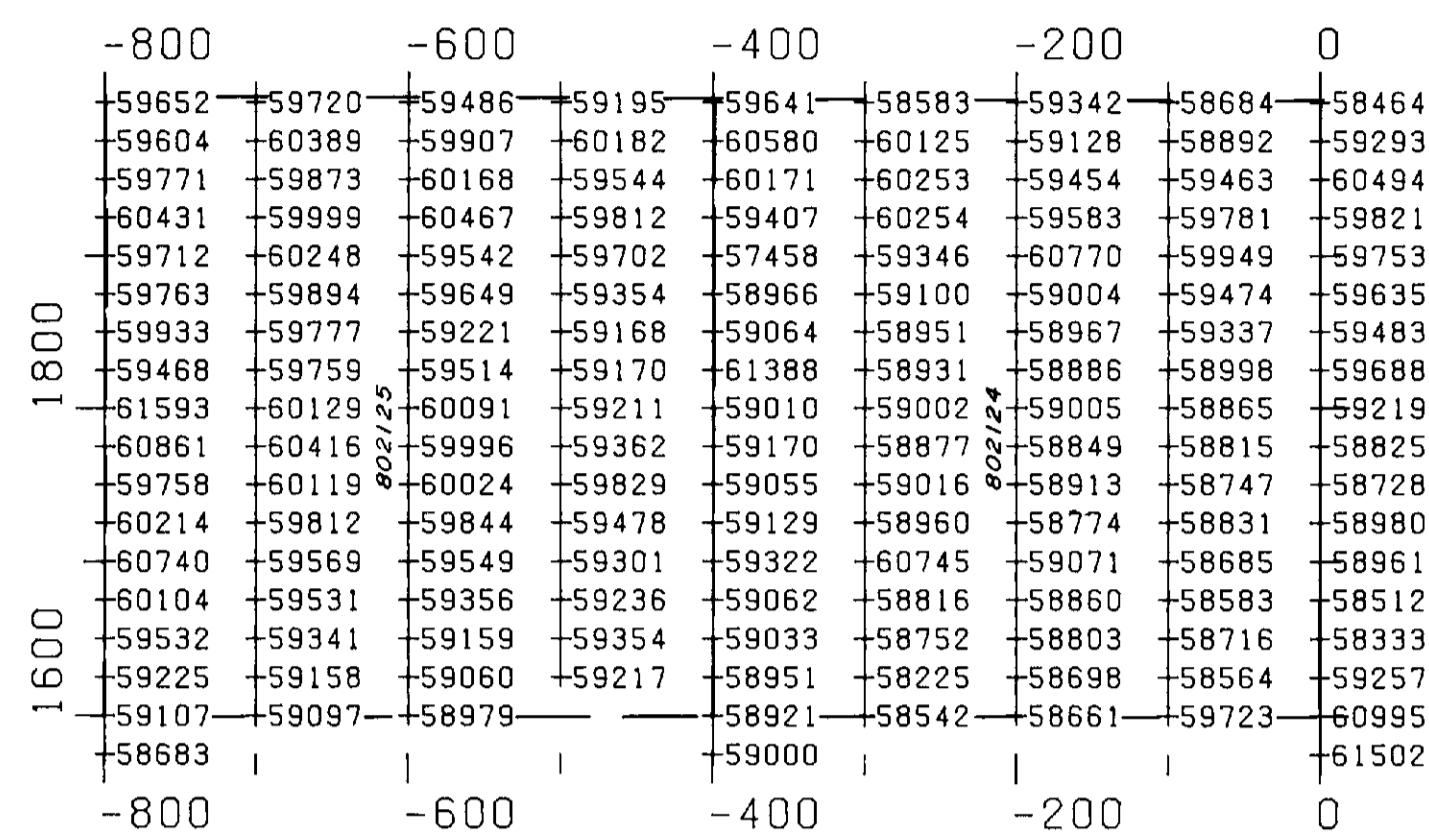
MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH









802124 Claim Number

WHITE CANYON RESOURCES

East Eby Property

— 1 —

Eby Township

DRAWN BY:

TOTAL FIELD MAGNITUDE

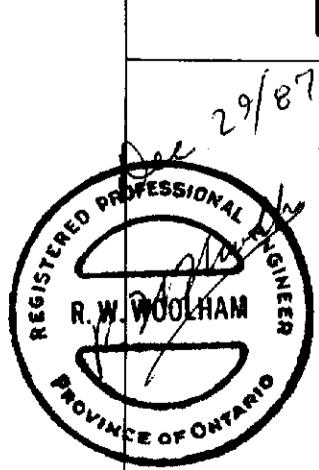
42A/1

NORTH BLOCK

DEC. / 87

DERRY, MICHENNER, BOOTH & WAHL

87-114-0



2.1011

